



COORDINATION CHEMISTRY REVIEWS, VOLS. 206–207 (2000)

AUTHOR INDEX

- | | | |
|----------------------------|-----------------------|------------------------|
| Angelici, R.J., 63 | Gilje, J.W., 321 | Lyon, E.J., 533 |
| Bildstein, B., 369 | Gladfelter, W.L., 631 | McElwee-White, L., 469 |
| Bitterwolf, T.E., 419, 563 | Gonsalves, K.E., 607 | Miller, J.S., 651 |
| Brent Gunnoe, T., 3 | Gun'ko, Y., 321 | Moss, J.R., 581 |
| Brooks, B.C., 3 | Harrod, J.F., 493 | Overett, M.J., 581 |
| Chen, J., 63 | Herndon, J.W., 237 | Perez, R., 607 |
| Darensbourg, M.Y., 533 | Hill, R.O., 581 | Rheinwald, G., 101 |
| Dean Harman, W., 3 | Hoff, C.D., 451 | Santiago, P., 607 |
| Edelmann, F.T., 321 | Jacob, K., 321 | Schnöckel, H., 285 |
| Epstein, A.J., 651 | Jegier, J.A., 631 | Smee, J.J., 533 |
| Evans, W.J., 263 | Jose-Yacaman, M., 607 | |
| Fischer, A., 321 | King, R.B., 1, 563 | |
| Frohnapfel, D.S., 199 | Lang, H., 101 | Templeton, J.L., 199 |
| George, D.S.A., 101 | Li, H., 607 | Torraca, K.E., 469 |
| Gießmann, S., 321 | Linti, G., 285 | |
| | Lorenz, V., 321 | Whittlesey, B.R., 395 |





COORDINATION CHEMISTRY REVIEWS, VOLS. 206–207 (2000)

SUBJECT INDEX

Actinides

Disiloxanediolates and polyhedral metal-lasilsesquioxanes of the early transition metals and *f*-elements 321

Alkenyl

Organometallic chemistry and surface science: mechanistic models for the Fischer-Tropsch synthesis 581

Alkenyl complexes

Transition metal η^2 -vinyl complexes 199

Alkyl

Organometallic chemistry and surface science: mechanistic models for the Fischer-Tropsch synthesis 581

Alkynyl-bridged binuclear and oligonuclear complexes

Bis(alkynyl) transition metal complexes, $R^1C\equiv C-[M]-C\equiv CR^2$, as organometallic chelating ligands; formation of $\mu,\eta^{1(2)}$ -alkynyl-bridged binuclear and oligonuclear complexes 101

Aluminum

Low valent aluminum and gallium compounds — structural variety and coordination modes to transition metal fragments 285

Aromatic

Dihapto binding of aromatic molecules by π -basic transition metal complexes: development of alternatives to the $\{Os(NH_3)_5\}^{2+}$ fragment 3

Bioinorganic

The bio-organometallic chemistry of active site iron in hydrogenases 533

Bioorganometallic chemistry

The bio-organometallic chemistry of active site iron in hydrogenases 533

Bis(alkynyl) transition metal complexes

Bis(alkynyl) transition metal complexes, $R^1C\equiv C-[M]-C\equiv CR^2$, as organometallic

chelating ligands; formation of $\mu,\eta^{1(2)}$ -alkynyl-bridged binuclear and oligonuclear complexes 101

Carbene complexes

Applications of carbene complexes toward organic synthesis 237

Catalysis

Catalysis of reactions of Si-H by titanocene and its derivatives 493

Chemical vapor deposition

Synthesis of nanostructured metals and metal alloys from organometallics 607

Clusters

Low valent aluminum and gallium compounds — structural variety and coordination modes to transition metal fragments 285

Cumulene

Cationic and neutral cumulene sp-carbon chains with ferrocenyl termini 369

Cyclopentadienyl

Perspectives in reductive lanthanide chemistry 263

Cyclopentadienyl metal carbonyl compounds

Photochemistry and reaction intermediates of the bimetallic Group VIII cyclopentadienyl metal carbonyl compounds, $(\eta^5-C_5H_5)_2M_2(CO)_4$ and their derivatives 419

Dearomatization

Dihapto binding of aromatic molecules by π -basic transition metal complexes: development of alternatives to the $\{Os(NH_3)_5\}^{2+}$ fragment 3

Dehydrocoupling

Catalysis of reactions of Si-H by titanocene and its derivatives 493

Dibenzothiophene complexes

Remarkable transformations of thiophene ligands in their pentamethylcyclopentadienyl iridium (Cp^*Ir) complexes 63

Disiloxanediolates	Iron–sulfur clusters
Disiloxanediolates and polyhedral metal-lasilsesquioxanes of the early transition metals and <i>f</i> -elements 321	Metal carbonyl analogues of iron–sulfur clusters found in metalloenzyme chemistry 563
Early transition metals	IR spectroscopy
Disiloxanediolates and polyhedral metal-lasilsesquioxanes of the early transition metals and <i>f</i> -elements 321	The bio-organometallic chemistry of active site iron in hydrogenases 533
Electrophilic	Kinetic
Dihapto binding of aromatic molecules by π -basic transition metal complexes: development of alternatives to the $\{\text{Os}(\text{NH}_3)_5\}^{2+}$ fragment 3	Thermodynamic and kinetic studies of stable low valent transition metal radical complexes 451
Enantioselection	Lanthanide
Catalysis of reactions of Si–H by titanocene and its derivatives 493	Perspectives in reductive lanthanide chemistry 263
Ferrocene	Lanthanides
Cationic and neutral cumulene sp-carbon chains with ferrocenyl termini 369	Disiloxanediolates and polyhedral metal-lasilsesquioxanes of the early transition metals and <i>f</i> -elements 321
Ferromagnetic	Ligand–ligand coupling
Organometallic magnets 651	Ligand-centered reactivity of organometallic radicals 469
Fischer–Tropsch	Low valent
Organometallic chemistry and surface science: mechanistic models for the Fischer–Tropsch synthesis 581	Low valent aluminum and gallium compounds — structural variety and coordination modes to transition metal fragments 285
Free radical addition	Perspectives in reductive lanthanide chemistry 263
Ligand-centered reactivity of organometallic radicals 469	Magnetic ordering temperature
Gallium	Organometallic magnets 651
Low valent aluminum and gallium compounds — structural variety and coordination modes to transition metal fragments 285	Materials science
Group VIII	The use of aluminum and gallium hydrides in materials science 631
Photochemistry and reaction intermediates of the bimetallic Group VIII cyclopentadienyl metal carbonyl compounds, $(\eta^5\text{C}_5\text{H}_5)_2\text{M}_2(\text{CO})_4$ and their derivatives 419	Mechanisms
Hydrides	Organometallic chemistry and surface science: mechanistic models for the Fischer–Tropsch synthesis 581
The use of aluminum and gallium hydrides in materials science 631	Metal carbonyl analogues
Hydrogen activation	Metal carbonyl analogues of iron–sulfur clusters found in metalloenzyme chemistry 563
The bio-organometallic chemistry of active site iron in hydrogenases 533	Metal cluster
Hydrogenase	Xenophilic transition metal clusters 395
The bio-organometallic chemistry of active site iron in hydrogenases 533	Metallacyclop propane complexes
Hydrosilation	Transition metal η^2 -vinyl complexes 199
Catalysis of reactions of Si–H by titanocene and its derivatives 493	Metallasilsesquioxanes
	Disiloxanediolates and polyhedral metal-lasilsesquioxanes of the early transition metals and <i>f</i> -elements 321
	Metalloenzyme chemistry
	Metal carbonyl analogues of iron–sulfur clusters found in metalloenzyme chemistry 563

- Metal–metal bond
Xenophilic transition metal clusters 395
- Nanostructured materials
Synthesis of nanostructured metals and metal alloys from organometallics 607
- Nanostructured metal alloys
Synthesis of nanostructured metals and metal alloys from organometallics 607
- Nanostructured metals
Synthesis of nanostructured metals and metal alloys from organometallics 607
- Organic magnets
Organometallic magnets 651
- Organic synthesis
Applications of carbene complexes toward organic synthesis 237
- Organometallic
Perspectives in reductive lanthanide chemistry 263
- Organometallic chelating ligands
Bis(alkynyl) transition metal complexes, $R^1C\equiv C-[M]-C\equiv CR^2$, as organometallic chelating ligands; formation of $\mu,\eta^{1(2)}$ -alkynyl-bridged binuclear and oligonuclear complexes 101
- Organometallic chemistry
Organometallic chemistry and surface science: mechanistic models for the Fischer–Tropsch synthesis 581
- Organometallic radicals
Ligand-centered reactivity of organometallic radicals 469
- Organometallics
Synthesis of nanostructured metals and metal alloys from organometallics 607
- Organosilanes
Catalysis of reactions of Si–H by titanocene and its derivatives 493
- Osmium
Dihapto binding of aromatic molecules by π -basic transition metal complexes: development of alternatives to the $\{Os(NH_3)_5\}^{2+}$ fragment 3
- Paramagnetic
Xenophilic transition metal clusters 395
- Pentamethylcyclopentadienyl iridium complexes
Remarkable transformations of thiophene ligands in their pentamethylcyclopentadienyl iridium (Cp^*Ir) complexes 63
- Photochemistry
Photochemistry and reaction intermediates
- of the bimetallic Group VIII cyclopentadienyl metal carbonyl compounds, $(\eta^5-C_5H_5)_2M_2(CO)_4$ and their derivatives 419
- Reaction intermediates
Photochemistry and reaction intermediates of the bimetallic Group VIII cyclopentadienyl metal carbonyl compounds, $(\eta^5-C_5H_5)_2M_2(CO)_4$ and their derivatives 419
- Reactivity patterns
Applications of carbene complexes toward organic synthesis 237
- Redistribution
Catalysis of reactions of Si–H by titanocene and its derivatives 493
- Reduction
Perspectives in reductive lanthanide chemistry 263
- Rhenium
Dihapto binding of aromatic molecules by π -basic transition metal complexes: development of alternatives to the $\{Os(NH_3)_5\}^{2+}$ fragment 3
- Silsesquioxanes
Disiloxanediolates and polyhedral metal-silsesquioxanes of the early transition metals and *f*-elements 321
- Solid state material
The use of aluminum and gallium hydrides in materials science 631
- Sonochemical synthesis
Synthesis of nanostructured metals and metal alloys from organometallics 607
- Steric
Perspectives in reductive lanthanide chemistry 263
- Synthetic models
The bio-organometallic chemistry of active site iron in hydrogenases 533
- Thermodynamic
Thermodynamic and kinetic studies of stable low valent transition metal radical complexes 451
- Thiophene ligands
Remarkable transformations of thiophene ligands in their pentamethylcyclopentadienyl iridium (Cp^*Ir) complexes 63
- Titanocene
Catalysis of reactions of Si–H by titanocene and its derivatives 493
- Transition metal
Xenophilic transition metal clusters 395

Transition metal radical

Thermodynamic and kinetic studies of stable
low valent transition metal radical com-
plexes 451

Transition metals

Low valent aluminum and gallium com-

pounds — structural variety and coordi-
nation modes to transition metal
fragments 285

 η^2 -Vinyl complexes

Transition metal η^2 -vinyl complexes 199

